

Jefferson County Land and Water Resources Management Plan Work Plan – 2016-2020 Extension

The Jefferson County Land and Water Resources Management Plan was developed to plan for a ten year period from 2011 through 2020. The work plan contained below is a revision completed in 2015.

Overall Goal of Land and Water Resources Management Plan: Families and individuals deserve to have productive farmland, healthy natural areas, and clean water to use and enjoy. Therefore the overall goal of this plan is to restore, improve, and protect land and water resources in Jefferson County.

The work plan details the goals, objectives, and activities of the Jefferson County Land and Water Resources Management Plan. This work plan was developed to achieve the overall goal listed above. Items in the work plan that are identified in bold are priority activities for the Land and Water Conservation Department. It is important to note that the implementation of the work plan is dependent on receiving adequate financial resources to cover staff and the cost-sharing programs.

Goal #1: Improve and protect agricultural land (and at the same time soil, surface water, and groundwater quality) through the implementation of agricultural programs, and State and County laws.

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Implement the Working Lands Initiative Farmland Preservation Program to Protect County Resources. Benchmark: Complete status reviews & issue compliance timelines in 4 quadrants of county in 4 years (see WLI text on page 42).	Continue outreach to landowners on the requirements of the program. (LWCD/DATCP)	Ongoing
	Perform on-site evaluations to determine compliance status. (LWCD)	~190/year
	Assist landowners with becoming compliant with requirements of program (i.e., develop and revise conservation plans, and technical assistance for necessary conservation practices and nutrient management plans). (LWCD/NRCS/DATCP)	Ongoing
	Require FPP participants to be compliant with upcoming NR 151 rules (tillage, P-index, processed wastewater). (LWCD)	2019

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
	Increase participation in FPP. (LWCD)	Ongoing: 20 new participants/yr
	Take necessary steps (plan revisions, practice development, or notice of noncompliance) when landowners are non-compliant with requirements of program. (LWCD)	As needed
Implement the Agricultural Performance Standard to Protect County Resources.	Provide technical assistance and cost-sharing so that farms attain compliance with the Agricultural Performance Standards. (LWCD/NRCS/DATCP) Benchmark: Farms achieve standards by using DATCP cost-share funds.	Fully spend cost-share allocation
	Continue working to engage DNR to develop and sign a Memorandum of Understanding regarding enforcement responsibilities for Ag Performance Standards and Prohibitions. (LWCD/DNR)	MOU completed in 2019-2020
	Educate landowners about upcoming NR 151 rules having to do with tillage setbacks, the phosphorus index, and handling of processed wastewater. (LWCD)	2016 initially & Ongoing
	Take necessary enforcement steps to attain compliance with Ag Performance Standards. (LWCD/DNR)	Ongoing
	Educate landowners about the manure storage and nutrient management ordinance and assist them with permits to ensure that manure storage facilities are built, expanded, and closed according to standards. (LWCD)	Ongoing
	Ensure that manure facilities are built, expanded, and closed according to standards. (LWCD/NRCS/DATCP)	As needed; all construction meets standards

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
	Ensure that runoff is diverted away from feedlots, barnyards, and manure storage areas by working with landowners to implement practices including roof runoff systems, clean water diversions, and grass waterways. (LWCD/NRCS/DATCP)	As needed: ~300 ft/yr diversions; ~700 ft/yr waterways ~1 roof runoff system/yr
	Ensure that nutrient management plans are written and implemented to comply with standards, including cost-sharing of plans. (LWCD/DNR)	Ongoing; ~1,000 acres/year
	Provide education on nutrient management planning and implementation; includes teaching farmers how to write their own plan, and holding plan update classes for farmers. (LWCD/UW-EX/DATCP/NRCS)	1 class/yr 3 updates/yr
	Investigate and track manure spreading complaints and work with partners to remedy any problems. (LWCD/DNR) Benchmark: All problems remedied, and ensure the farms placed on list for nutrient management plan cost-sharing opportunities.	As needed
	Work with livestock operations to ensure they are compliant with Manure Management Prohibitions: 1. no overflow of manure storage, 2. no unconfined manure pile in a water quality management area, 3. no direct runoff from a feedlot or stored manure into waters of the state, 4. no unlimited access by livestock to waters of the state in a location that adequate sod or vegetative cover is not maintained. (LWCD/DNR) Benchmark: All problems remedied.	As needed
Ensure that livestock facilities expand according to standards that protect County resources.	Review application materials and worksheets for completion with Livestock Siting rules. (LWCD)	As needed
	Provide information on status of applications to Zoning, landowners, and DATCP. (LWCD/Zoning)	As needed

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Benchmark: Facilities compliant with standards.	Attend public meetings. (LWCD)	As needed
Statutes, Administrative Rules, Ordinances: ch. 88 Drainage of Lands, ch. 91 Farmland Preservation, ch. 92 Soil and Water Conservation and Animal Waste Management, ATCP 50 Soil and Water Resource Management Program, ATCP 51 Livestock Facility Siting, NR 151 Runoff Management, NR 243 Animal Feeding Operations, Jefferson County Zoning Ordinance, Jefferson County Animal Waste Storage and Nutrient Management Ordinance		
Costs: 30,000 hours of staff time over 5 years, \$300,000 in cost share funds over 5 years.		

Goal #2. Protect and enhance surface water, ground water, and wetland quality, and associated habitat areas.

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Protect surface water resources and habitat quality through implementation of the Conservation Reserve Enhancement Program.	Work with landowners and FSA to implement stream buffers, waterways, and wetland restorations. (FSA/LWCD)	On going ~ 2 contracts/yr
Reduce sediment and phosphorus delivery to the Rock River through implementation of the Rock River Recovery Plan (TMDL).	Work with landowners and municipalities to implement practices to achieve pollutant reduction goals. (LWCD/NRCS/FSA/DNR/municipalities)	2016 - 2020
Ensure drainage district ditches have required 20 foot buffer.	Determine strategy and survey drains to document buffer width. (LWCD)	2019-2020
	Work with the Farm Drainage Board on survey results and necessary actions (LWCD/Farm Drainage Board)	2019-2020
	Provide information to affected landowners. (LWCD)	As needed
Ensure that groundwater is protected	Provide landowners with information on testing their	As needed

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
from pollution.	drinking water wells. (LWCD/UW-EX)	
	Provide cost-sharing for the closure of wells. (LWCD)	As needed ~1 well closures/yr
Ensure the stabilization of shoreline erosion on agricultural, residential, and public lands.	Provide landowners with technical assistance, and cost-sharing to control shoreline erosion. (LWCD)	As needed ~30 ft/yr
	Assist landowners with the state and county permit process. (LWCD/DNR/Zoning)	As needed
	Educate citizens and municipalities about construction site erosion control measures and laws. (LWCD/DNR/Zoning)	As needed
Ensure decision-makers have the resource information and tools necessary to achieve protection of lakes and rivers in the county. Benchmark: Provide necessary information to decision-makers.	Provide water resource groups and municipalities with data, maps, educational resources and technical assistance. (LWCD/UW-EX/DNR/RRC)	Ongoing
	Obtain grants to fill data and information gaps, and develop management plans. (LWCD/DNR/water groups)	As needed
	Support the County's efforts to develop and protect green space and environmental corridors that surround lakes, rivers and streams. (LWCD/Parks)	As needed
Ensure that Jefferson County adopts state minimum standards for shoreland zoning.	Assist the Zoning Department with updating the shoreland ordinance language. (Zoning/LWCD/DNR)	2016
Enable citizens to restore wetlands.	Direct landowners to cost-sharing programs and technical assistance for wetland restorations. (LWCD/NRCS/DNR)	As needed ~2 restorations/yr
Prevent the loss of wetlands.	Educate the public, land use planning entities, and municipalities about the benefits of wetlands, and laws governing wetlands. (LWCD/DNR/Zoning)	As needed
	Encourage the County, towns, and municipalities to have a minimum building setback from wetlands. (LWCD)	As needed
Statutes, Administrative Rules, Ordinances: ch. 92 Soil and Water Conservation and Animal Waste Management, ATCP 50 Soil		

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
and Water Resource Management Program, NR 115 Wisconsin's Shoreland Management Program, NR 117 Wisconsin's City and Village Shoreland-Wetland Protection Program, NR 216 Storm Water Discharge Permits, NR 812 Well Construction and Pump Installation, Jefferson County Zoning Ordinance		
Costs: 20,000 hours of staff time over 5 years; \$40,500 in cost-share funds over 5 years		

Goal #3. Preserve and protect natural areas, woodlands, open space, and farmland for the benefit of Jefferson County citizens and visitors.

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Assist with the implementation of the Glacial Heritage Area Plan.	Provide technical support (including planning, grant identification and writing) for natural area and agricultural lands protection. (DNR/Parks/LWCD/Zoning)	As needed
	Provide necessary maps for GHA implementers. (LWCD/LIO)	As needed
Implement the County's Purchase of Agricultural Conservation Easements program.	Provide administration, technical support, and maps for PACE program. (LWCD)	As needed
Encourage the planting of trees and shrubs.	Promote and implement the annual tree and shrub sale. (LWCD/DNR Forester)	Annually ~8,000 trees/yr
Ensure the proper management and protection of woodlands.	Provide landowners with information regarding the Managed Forest Law and direct them to the DNR forester. (LWCD/DNR Forester)	As needed
	Provide educational resources and DNR forester contacts to citizens requesting information on woodland issues. (LWCD)	As needed
	Educate landowners about prevention and control of gypsy moths and emerald ash borers. (LWCD/DNR)	As needed
	Educate landowners regarding the emerald ash bore.	As needed

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
	(LWCD/DNR)	
	Coordinate the gypsy moth suppression program with landowners and the DNR. (LWCD/DNR)	As needed
Maintain the Potters Field.	Implement weed management and plant establishment. (LWCD/Parks)	Annually
Ensure that non-metallic mines are restored according to standards.	Implement the law requiring mines to have reclamation plans that meet standards. (LWCD/Zoning)	Ongoing
	Inspect and certify proper restoration that adheres to planned reclamation standards. (LWCD)	24 inspections/yr
Implement the Wildlife Damage Abatement and Claims Program	Assist landowners with preventing wildlife damage to their crops and provide a pass through from USDA to the landowner for partial payment for crop losses. (LWCD/USDA)	Annually
Implement the Deer Donation Program	Provide a pass through from USDA to venison processors for the cost associated with preparing venison for food pantries. (DNR/LWCD)	Annually
Statutes, Administrative Rules, Ordinances: NR 135 Nonmetallic Mining Reclamation		
Costs: 5,000 hours of staff time over 5 years		

Goal #4. Track the state of soil, water, and natural resources through monitoring and assessment.

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Determine progress in achieving a reduction in soil erosion on cropland.	Perform transect survey to collect data on cropland conditions including information on residue and erosion. Display this information on maps. (LWCD)	Annually in June
Document the location and trends of livestock in the county.	Perform livestock inventory and display information on GIS maps. (LWCD)	2015

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Track compliance with NR 151 rules and FPP.	Finish customizing the NR 151 tracking software. (LWCD)	2016
	Enter data and produce reports on compliance. (LWCD)	Annually
Determine progress in maintaining and improving the quality of lakes, rivers, and wetlands.	Perform monitoring and/or compile water quality, fish, and habitat data. (LWCD/DNR)	Annually
	Recruit and train citizens to perform water quality monitoring and aquatic invasive species monitoring on lakes and rivers. (LWCD/RRC/DNR)	1-2 trainings/yr
	Use maps to display conservation projects and land preservation associated with lakes/rivers/wetlands. (LWCD)	On going
Statutes, Administrative Rules, Ordinances: NR 151 Runoff Management		
Costs: 5,000 hours of staff time over 5 years		

Goal #5. Educate and inform the public regarding Jefferson County resources and LWCD services.

Objectives	Activities (Responsible Agencies)	Time Frame or Anticipated Outcome
Ensure that the public is informed about land and water resources and the services provided by LWCD.	Provide or facilitate educational talks to various groups. (LWCD)	6 talks/yr
	Provide information and education to the public via direct mail, press releases, and radio interviews.	As needed
	Create maps for customers showing various layers. (LWCD)	Ongoing
	Update the LWCD website. (LWCD)	Monthly
Costs: 1,000 hours of staff time over 5 years		

Key to Responsible Agencies:

DATCP – Department of Agriculture, Trade, and Consumer Protection

DNR – Department of Natural Resources

FSA – Farm Service Agency, U.S. Department of Agriculture

LIO – Jefferson County Land Information Office

LWCD – Jefferson County Land and Water Conservation Department

NRCS – Natural Resources Conservation Service, U.S. Department of Agriculture

Parks – Jefferson County Parks Department

RRC – Rock River Coalition

USDA – U.S. Department of Agriculture

UW-EX – University of Wisconsin-Extension

Zoning – Jefferson County Zoning and Planning Department